

**CLAIM AMENDMENTS**

Please cancel claims 40-68 without prejudice to filing a divisional application containing the same.

1-34. (Canceled)

35. (Original) A system for configuring a customized contact lens for a user, said system comprising:

means for displaying a template eye image to assist said user in visualizing selected options for a customized contact lens;

graphical display and interface means for displaying a plurality of contact lens selection options to said user, said information including a plurality of selectable and modifiable lens parameters, said means in communication with said means for displaying a template eye image;

means for sending a request to order a contact lens incorporating lens characteristics selected by the user;

means for receiving the ordering request; and

means for manufacturing a contact lens incorporating said characteristics selected by said user.

36. (Original) The system of claim 35 further comprising means for deriving a contact lens pattern that, when worn, modifies the appearance of an eye according to the intentions of the user.

37. (Original) A system for configuring a customized contact lens for a user, said system comprising:

an image input device for obtaining a graphical template eye image from said user;

a graphical user display in communication with said device for visualizing said template eye image, said user display displaying one or more of selectable lens characteristics in conjunction with said template eye image;

a user interface linked to said display for selecting one or more of said selectable lens characteristics for display;

a server in communication with said user interface, said server receiving selections of said lens characteristics from said user interface and incorporating selected ones of said lens characteristics into a modified template eye image for display;

a database accessible by said server containing information relating to said user and said available selectable lens characteristics; and

a fabrication system in communication with said server for receiving information relating to said modified template eye image and manufacturing a contact lens based on said information.

38. (Original) The system of claim 37 wherein said user interface further comprises a subsystem for deriving a contact lens pattern that, when worn, modifies the appearance of an eye according to the intentions of the user.

39. (Original) The system of claim 38 wherein said database further comprises information generally available over the Internet, and said information being searchable by an intelligent agent originating from said server.

40-68. (Canceled)